Special Issue

Genomics- and Proteomics-Driven Discoveries on Cancer Metastasis: Impacts on Therapeutics and Diagnostics

Message from the Guest Editor

Metastasis occurs when cancer cells spread from its site of origin (the primary tumor) to other organs. The metastatic process is a manifestation of the confluence of various molecular events (mutations, epigenetic changes, transcriptional changes, post-translational modifications, and other regulatory mechanisms) that allow tumor cells to escape and invade other organs via the bloodstream. It is a sign that cancer has reached a malignant, difficult-to-treat stage. Our understanding of cancer metastasis has considerably advanced during the last 10–15 years because of the widespread use of modern genomic and proteomic tools. The comparative molecular profiling of metastatic spread, primary tumors, normal tissues, and circulating tumor cells, along with the use of animal models, have immensely contributed to our understanding of the biology (and led to new hypotheses) behind the metastatic process. We are hopeful that knowledge gained from these studies may ultimately lead to the improvement of clinical management of cancer.

Guest Editor

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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

Editor-in-Chief

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